

VICINITY MAP
NOT TO SCALE

TRACT NO. 30613

PUBLIC SEWER IMPROVEMENT PLAN

GENERAL NOTES

1. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARDS DRAWINGS, ITS SUPPLEMENTAL NOTES, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
5. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATIONS PRIOR TO CONSTRUCTION.
6. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
7. NO FINISH FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
8. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY OF RIVERSIDE.
9. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
10. THE CONTRACTOR SHALL CALL IN A LOCATIONS REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA.
11. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION HEREON.
12. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
13. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.

DEVELOPER

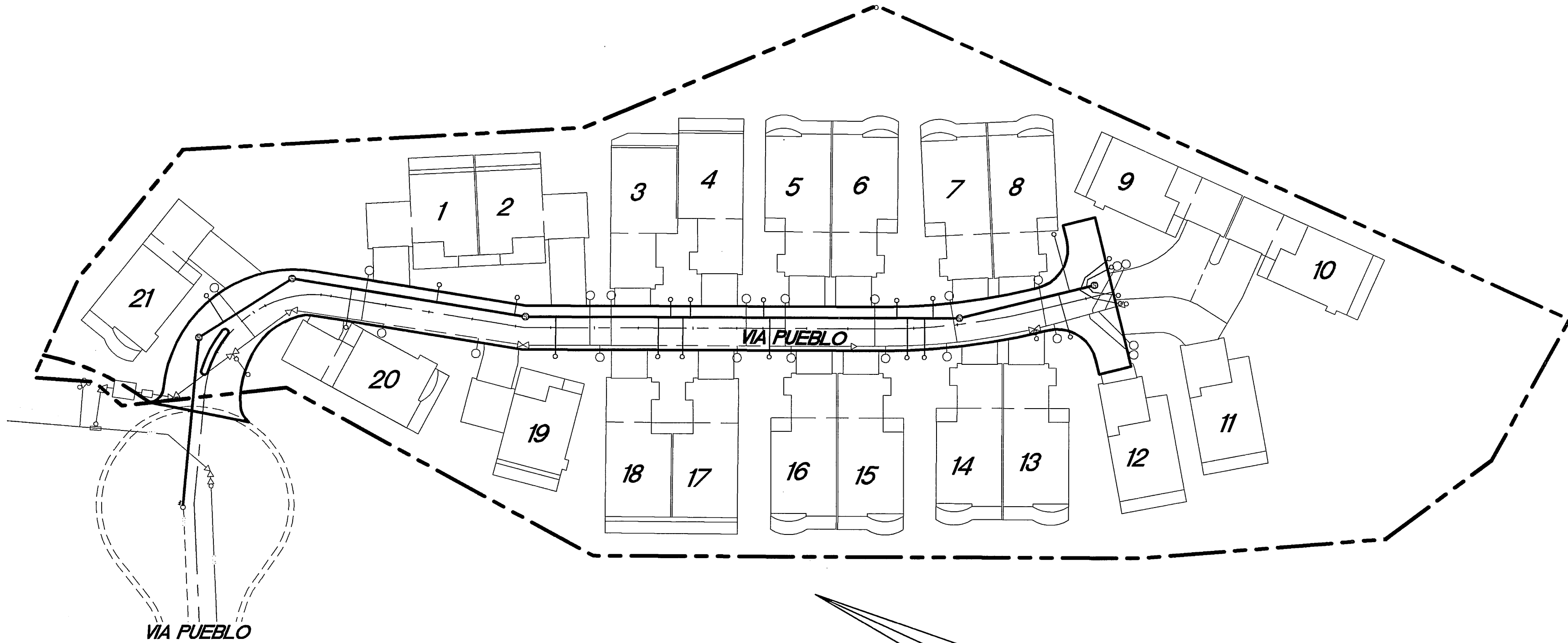
KE-NEW DEVELOPERS & BUILDERS
4872 ROSE AVENUE
RIVERSIDE, CA. 92505
PHONE (951) 689-4354

ENGINEER

SDH & ASSOCIATES INC.
5225 CANYON CREST DRIVE
BLDG. 300 SUITE 357
RIVERSIDE, CA. 92507
PHONE (951) 788-2344
FAX (951) 788-2314

SEWER NOTES

1. SEWER SYSTEM CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF RIVERSIDE STANDARDS AND SPECIFICATIONS.
2. GRAVITY SEWER PROFILE ELEVATIONS ARE TO FLOW LINE (CONDUIT INVERT).
3. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS 500 AS APPLICABLE. SEWER MAINS MAY BE LAID THROUGH THE MANHOLES AND USED AS A FORM FOR THE INVERT.
4. PRIOR TO CONSTRUCTION OF SEWER, CONTRACTOR SHALL EXPOSE EXISTING SEWER AND VERIFY ITS EXISTING ELEVATION AND LOCATION. WHERE CONNECTING TO EXISTING MANHOLES AND INLET STUB OF PROPER SIZE EXISTS, NO ALTERNATIONS SHALL BE MADE TO EXISTING MANHOLE BASE OR STUB EXCEPT AS SPECIFICALLY AUTHORIZED BY CITY OF RIVERSIDE.
5. ALL SEWER INLETS AT THE MANHOLE SHALL BE SUCH THAT ITS CROWN OF THE OUTLET PIPE, AT THEIR PROJECTIONS TO THE MANHOLE CENTERLINE.
6. SEWER LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STD. 562 (AS APPROPRIATE). LOCATIONS OF WYES AND LATERALS, WHERE NOT SHOWN ON THE PLANS, ARE TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION TO MISS DRIVEWAYS. ALL LATERALS ARE TO BE 4" IN DIAMETER UNLESS OTHERWISE SHOWN ON PLANS.
7. THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONFINED AIR SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR "CONFINED AIR SPACE" ARTICLE 108, TITLE 8, CALIFORNIA ADMINISTRATIVE CODE.
8. BACKWATER VALVES SHALL BE INSTALLED PER SECTION 409 OF THE UNIFORM PLUMBING CODE.
9. ALL PIPE ZONE BEDDING & TRENCH BACKFILL ARE TO BE PER CITY STANDARDS.
10. WHERE EXISTING GRADE TRANSITIONS FROM CUT TO FILL, USE FLEX COUPLINGS.



INDEX MAP

SCALE: 1"=40'

LEGEND

FIRE HYDRANT

WATER SERVICE

TAP SLEEVE

WATER VALVE

ELBOW

TEE

END CAP W/ B.O.

REDUCER

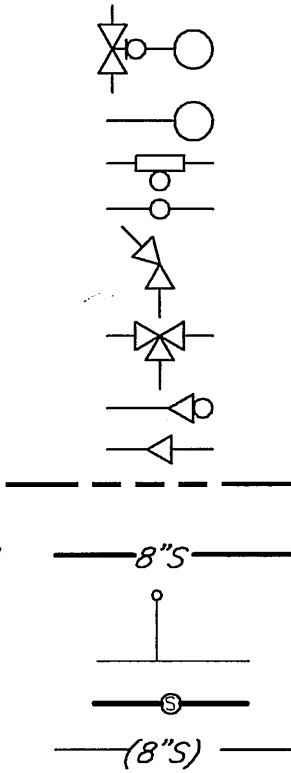
D.I.P.

PROPOSED 8" V.C.P. SEWER MAIN

PROPOSED SEWER LATERAL WITH CLEANOUT

PROPOSED SEWER MANHOLE

EXISTING SEWER MAIN



NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CALL UNDERGROUND SERVICE ALERT (USA) 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.

THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, HE/SHE WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

SEWER CONSTRUCTION NOTES & QUANTITIES

- | | |
|---|-----------------|
| ① CONSTRUCT 8" P.V.C SEWER MAIN (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 452) | 483 L.F. |
| ② CONSTRUCT SEWER MANHOLE PER RIVERSIDE CITY STD. 500 | 5 EA. |
| ③ CONSTRUCT 4" PVC SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 452) | 292 L.F./21 EA. |

CITY OF RIVERSIDE
WATER SYSTEM

APPROVED BY
DATE

Underground Service Alert

CALL: TOLL FREE
1-800
227-2600

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PLANS PREPARED UNDER SUPERVISION OF

BRIAN G. ESGATE
R.C.E. 21884
EXP. 3/31/05

BENCH MARK :

POINT I.D.: H8-J3 ELEVATION: 1088.225
P.K. MAIL AND CITY ENGINEER TAG IN THE CATCH BASIN
WING AT THE NORTHEASTERN CURB RETURN AT CANYON
CREST DRIVE AND EL CERRITO DRIVE

SDH & Associates, Inc

Civil Engineering - Land Planning
5225 Canyon Crest Drive Bldg. 300 Suite 357
Riverside, California 92507
TEL: (951) 788-2344 FAX (951) 788-2314

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: S.S.	DRAWN BY: I.S/O.C.	CHECKED BY: B.G.E.	

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	BY	DATE
STREET SERVICES	BY	DATE
TRAFFIC DIVISION	BY	DATE
PARKS DEPARTMENT	BY	DATE

TRACT 30613 PUBLIC SEWER IMPROVEMENT PLAN

JOB NO. 0302

S-1891

SHEET 1 OF 2

PW05-0018

PROFILE SCALE
HORIZ. 1"=20 FT.
VERT. 1"=4 FT.

1055

1045

1035

1085

1075

1065

ORIGINAL GROUND
@ PROP. C.L.

PROP. F.S. @ C.L.

PROP. 8" P.V.C. SEWER

CONSTRUCT 59.54
L.F. 8" P.V.C. SEWER

CONSTRUCT 194.44 L.F. 8" P.V.C. SEWER

CONSTRUCT 104.04
L.F. 8" P.V.C. SEWER

CONSTRUCT 73.58
L.F. 8" P.V.C. SEWER

CURVE DATA

	DELTA	RADIUS	LENGTH	TANGENT
(A)	95°14'37"	50.00'	83.12'	54.80'
(B)	13°52'02"	300.00'	72.61'	36.48'

0+00

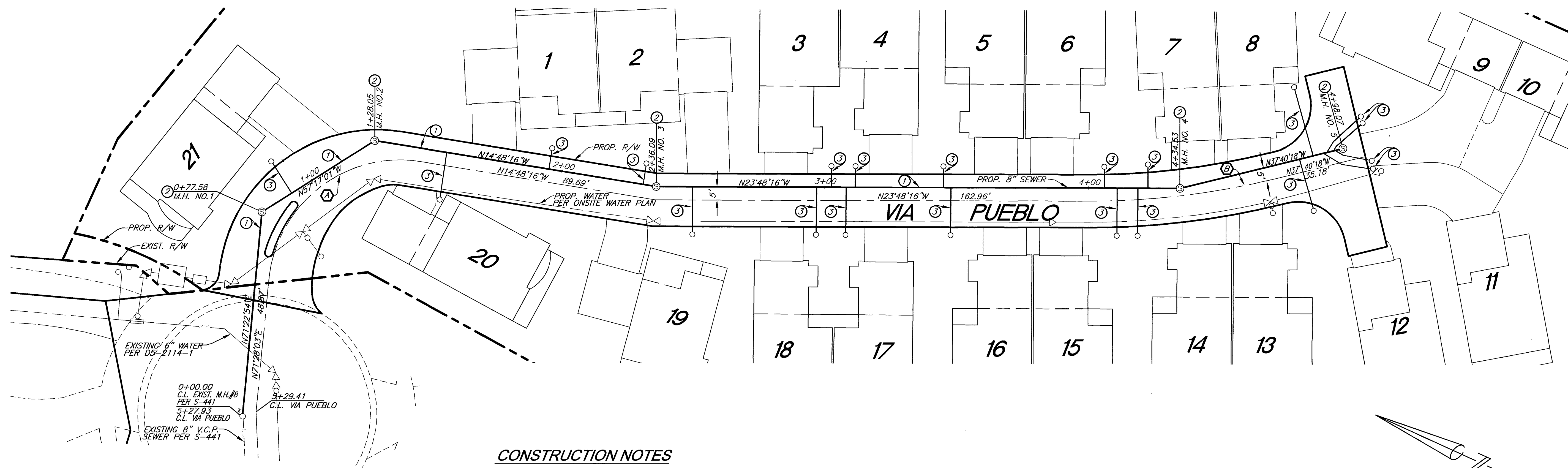
1+00

2+00

3+00

4+00

5+00



CONSTRUCTION NOTES

- CONSTRUCT 8" P.V.C. SEWER MAIN (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 452)
- CONSTRUCT SEWER MANHOLE PER RIVERSIDE CITY STD. NO. 500
- CONSTRUCT 4" PVC SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 252)

0 10 20 40 60 80
SCALE 1"=20'

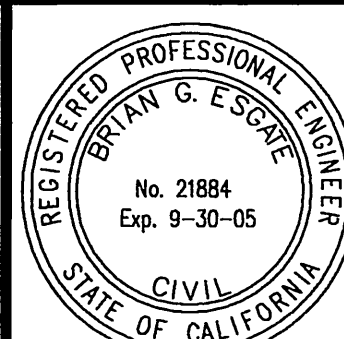
CITY OF RIVERSIDE
WATER SYSTEM

MW Nchen 4/13/05
APPROVED BY DATE
VOID ONE YEAR FROM THIS DATE

Underground Service Alert
CALL BEFORE YOU DIG
CALL TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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PLANS PREPARED UNDER SUPERVISION OF
Brian G. Escate 4/6/2005
BRIAN G. ESCATE
R.C.E. 21884
EXP. 9-30-05
BENCH MARK:
POINT I.D.: HB-J3 ELEVATION: 1088.225
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Civil Engineering - Land Planning
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Riverside, California 92507
TEL: (951) 788-2344 FAX (951) 788-2314

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
DATE: 5/5/05
PRINCIPAL ENGINEER
STREET SERVICES
TRAFFIC DIVISION
PARKS DEPARTMENT

TRACT 30613
SEWER IMPROVEMENT PLAN
VIA PUEBLO
STA. 0+00.00 TO STA. 4+98.07

JOB NO. 0302
S-1891
SHEET 2 OF 2
PW05-0018